# The Monitor

*The Newsletter of the ETV Advanced Monitoring Systems (AMS) Pilot*

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# What Technology Vendors Want to Know

## How do technology vendors benefit from verification testing?

Vendors of air and water monitoring technologies can benefit from increased credibility because of independent verification testing. The verification statement is signed by an EPA laboratory director, based on test results from an independent source, which can add credence to the company's marketing efforts and assure buyers about the technology's verified performance. Because this is a national effort, there is a potential for expediting regulatory acceptance by states of advanced monitoring technologies.

Both EPA's Environmental Technology Verification (ETV) program and the Advanced Monitoring Systems (AMS) pilot publicize progress and results via the World Wide Web, technical conferences, newsletters, fact sheets, and news releases. Such coverage can also benefit participating vendors. To find out more about how your company can benefit, contact Helen Latham at Battelle (see green box below).

## How can my company submit a technology for verification in the AMS pilot or other pilots?

The program's mission is to test commercially available technologies – not prototypes. Information about how to submit a technology to AMS is on EPA's Environmental Technology Verification (ETV) web site at http://www.epa.gov/etv/07/07_main.htm. Links to other pilots are at http://www.epa.gov /etv/pltmain.htm . Each pilot is described, including the technologies sought and a contact for more information.

## Are there any examples of verification statements and reports available?

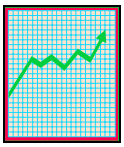
As of mid-April, ETV pilots had issued verification statements and reports for 33 technologies. A list of technologies verified to date can be found on the Web at http://www.epa.gov/etv/library.htm#verifications. This list includes links to the verification reports and statements for these technologies. A vendor can use the verification statement to attract prospective users of the technology by providing them with third-party quality-assured data on a technology's performance under realistic testing conditions.

## How much does it cost to have a technology verified?

The cost for verifying a technology will depend upon the complexity of testing required, and where and how the testing can be conducted.

During the pilot , EPA is partially supporting the cost of verification testing as an incentive to encourage vendor participation. For the AMS pilot, EPA has selected Battelle as its partner. Battelle, a not-for-profit technology research and development organization, designs and conducts the tests at appropriate sites.

Before deciding whether to participate in the testing, vendors are able to contribute to the verification test/quality assurance plan, ask questions, and discuss testing methods, parameters, sites, and schedules. . The actual cost for the vendor is determined when the technology's test plan has been drafted.



## How can I stay informed about the AMS pilot and opportunities for my company to participate in future tests?

Keep checking our Web site and the Commerce Business Daily (CBD). Notices of vendor meetings are posted in the CBD and more information about the AMS pilot, including vendor meeting schedules and test results, is posted on the Web at http://www.epa.gov/etv/ 07/07_main.htm as soon as it is available. If you are not already on the AMS mailing list and would like to be added, contact Helen Latham at Battelle (see green box below).

The status of ongoing tests is outlined on the next page. Stakeholders have identified the following additional priority monitoring needs:

**Air technologies.** Ambient air and emission mercury monitors, monitors of speciating volatile organic compounds (VOC), ambient monitors for diesel particulate, and in-stack fine particle monitors.

**Water technologies.** Coliform monitors, particle counters, portable total petroleum hydrocarbon (TPH) probes, and water quality systems.

***The AMS pilot is one of 12 pilots in the U.S. Environmental Protection Agency's Environmental Technology Verification Program. ETV was established to accelerate the development and commercialization of improved environmental technologies through third-party verification testing and reporting of the technologies' performance. The ETV process provides purchasers and permitters with an independent assessment of the technology they are buying or permitting and facilitates multi-state acceptance. For further information, contact Helen Latham at Battelle, 505 King Ave., Columbus, OH 43201-2693; Phone 614-424-4062; Fax 614-424-5601; E-mail lathamh@battelle.org.***

## *Meet the Stakeholder Committees*

Two members of the AMS pilot's stakeholder committees are spotlighted in each issue of *The Monitor* – one each from the air and water committees.

**Robert J. Benze**
**Water Stakeholder Committee**

Mr. Benze was recently named a senior environmental manager for Concurrent Technologies in Bremerton, WA. For nearly three decades he was a civilian employee of the U.S. Navy in nuclear and environmental engineering work. His most recent Navy assignment was as the water programs manager at Naval Sea Command Code 00T, at Puget Sound Naval Shipyard in Bremerton. He has a B.S. in Mechanical Engineering from the University of Washington. Mr. Benze co-authored two major National Environmental Protection Act (NEPA) documents for the Navy and served on numerous environmental compliance evaluation and Inspector General audit teams. He also provided technical assistance on programs for National Pollutant Discharge Elimination System (NPDES), pretreatment (indirect discharge), stormwater, and drinking water. He assisted in implementing the Uniform National Discharge Standards for Department of Defense and Coast Guard vessels and worked with Navy scientists, academia, and commercial consultants on large-scale ecological risk assessments, ambient monitoring programs, ecological modeling and simulation, and environmental data management. Mr. Benze serves on the Executive Steering Committee of the National Defense Center for Environmental Excellence and the Environmental Panel of the National Shipbuilding Research Program.

**Clifford R. Glowacki**
**Air Stakeholder Committee**

Mr. Glowacki is the senior group leader in Ashland Chemical Company's Analytical Services and Technology Section where he manages the Separations and Environmental Analysis Laboratories. He is a graduate of the University of Wisconsin. His experience spans 32 years in separations science and in environmental sampling and analysis, especially the determination of specific compounds in solid, liquid, and gaseous matrices. He established and continues to manage Ashland's contract environmental laboratory certification program. He has extensive experience in chemical production and processing in the foundry, fiber reinforced plastic, coatings, adhesives and electronics industries. Mr. Glowacki has published and presented original research papers concerning environmental testing and has conducted numerous stack testing seminars. He chairs the Sampling and Lab Analysis Committee of the American Industrial Hygiene Association, and he is a member of the Chemical Manufacturers Association's Environmental Monitoring Task Group, the National Environmental Laboratory Accreditation Conference Quality Systems Committee and Field Measurements Subcommittee, and the American Foundrymen's Society 10E Environmental Committee.

## *Current Status of Verification Tests*

Last month, *The Monitor* reported that four categories of air and water monitoring technologies are heading for verification tests this summer and fall in the Advanced Monitoring Systems (AMS) pilot.

The current status of these tests is:

Portable $NO/NO_2$ Emission Analyzers – participating vendors are reviewing draft Verification Reports.

Ambient Air Fine Particulate Monitors – AMS pilot staff are identifying possible test sites; the draft test/quality assurance (QA) plan will be sent in May to participating vendors and selected air stakeholder committee members for review.

In-Line Turbidimeters – the draft test/QA plan will be sent in May to participating vendors and selected water stakeholder committee members for review; test sites are being identified.

Optical Open Path Air Monitors – the draft test/QA plan is expected to go to participating vendors and air stakeholder committee members in June for review.

### *The ETV/AMS Panel at AWMA's Meeting in St. Louis*

Perspectives on the ETV program will be the subject of a panel at the 92nd Annual Meeting of the Air and Waste Management Association, June 20-24, in St. Louis, MO.

The panel will be co-chaired by Penny Hansen, director of EPA's ETV program, and Karen Riggs, Battelle's manager of the AMS pilot. Panelists will include Jeff Cook (regulator – Quality Management, Operations Support, California Air Resources Board), Tim Lawruk (technology vendor – Strategic Diagnostics, Inc.) and Scott Berger (technology user – Environmental Science and Engineering, Owens Corning Science and Technology Center).

The preliminary program and schedule for the AWMA Annual Meeting program can be found on the Web at: http://online.awma.org/ techprog/

See you in St. Louis!